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SURVEY OF SOVIET ARTICLES ON COSMIC RAYS AND RELATED RESEARCH

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The attached list is a compilation of English-language translations and original articles on cosmic ray research conducted by Soviet scientists believed to be affiliated with the Physics Institute in Yerevan.

Articles which appeared in the Soviet periodical "Journal of Physics" (JP) were originally published in English, a practice which has since been discontinued.

In addition to the articles given in the attached list, a survey of available scientific publications of the Academy of Sciences, Armenian SSR revealed the following additional information: Alikhanov, A. I. and Alikhanyan, A. I. "Measurements of Soft and Hard Components of Cosmic Rays by an Ionization Chamber."

Authors identified themselves with the Physico-Math. Inst. of the Academy of Sciences, Armenian SSR, Yerevan.

Measurements were carried out in the summer of 1943 at Alagez (3250 m) and at Yerevan (950 m).

Source: Doklady, Akad Nauk, Armyanskoy SSR, Vol. IV, No. 3, 1946, pp. 65-71.

[Note: The survey covered all copies of "Doklady" and "Izvestiya", Academy of Sciences Armenian SSR which were available at the Library of Congress. It should be pointed out that the more important articles appearing in Armenian scientific publications are usually republished in publications of the Academy of Sciences, USSR (Doklady, etc) 7.

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Reports published by Scientists listed in ST-415ScientistReport

Alikhanov, A. I.
Alikhanyan, A. I.
Vaysenberg, A.

Existence, in Cosmic Rays, of Positive and Negative Particles With Masses Greater Than the Meson. ZETF, No 3, 1948

Alikhanov, A. I.

Recently Publ Research of Sov Scientist

Alikhanov, A. I.
Alikhanyan, A. I.
Morozov, V. M.
Khrimyan, A. V.

Mass Spectra of Varitrons. both in DAN, Vol LVI, 1948; and ZETF, Vol XVII, 1948

Alikhanyan, A. I.

Decay of Heavy Varitrons. ZETF, Vol XIX, No 7, 1949, pp 667 - 670. PA 51/49T55

Alikhanyan, A.
Dadayan, A.

Investigation of Narrow Showers at an Altitude of 3250-m Above Sea Level. ZETF, Vol XIX, No 1, 1949, pp 78 - 85. PA 30/49T85

Alikhanyan, A. I.

Recently Publ Research of Sov Scientist

Alikhanyan, A. I.
Davon, M. I.
Kharitonov, V. M.

Generation of Protons and Varitrons by the Neutral Component of Cosmic Radiation. ZETF, Vol XIX, No 8, 1949, pp 739 - 748.

Alikhanyan, A. I.
Samoilovich, D. M.
Garevich, I. I.
Babayani, Kh. F.
Gerakimova, R. I.

Observation of Varitrons of Different Mass in Photographic Plates. PA 51/49T56. ZETF, Vol XIX, No 7, 1949, pp 664 - 666.

Alikhanyan, A.

Study of Atmospheric Showers

JP XI, No 1, 1947.
p 16.

"

On the Existence of Particles With a Mass Intermediate Between Those of Mesotron and Proton

JP XI, No 1, 1947,
p 97

"

Measurements of the Absorption of Cosmic Rays at an altitude 3250 Meters Above Sea Level (ltrs to the editor)

JP X, No 3, 1946,
p 293.

"

An Investigation of the Absorption of Cosmic Rays in a Strong Magnetic Field at 3250 Meters above Sea Level (ltrs to editor)

JP X, No 3,
1946, p 294.

"

On Narrow Showers (ltrs to editor)

JP X, No 3, 1946,
p 296

"

Investigation of Narrow Showers at Sea Level

JP X, No 6, 1946,
p 518.

Ivartskhava, I. F.

Recently Publ Research of Sov Scientist

Mirianashvili, G. M.

Recently Publ Research of Sov Scientist

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Nikitin, S. Ya.

Recently Publ Research of Sov Scientist

Vaysenberg, A. O.

Decay of Varitsone. ZETF, XII, No 8
1949, pp 727 ~ 729.

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